SEQUENCE LISTING

SEQ ID No 1 is a cDNA clone (pTOM6) (See Figure 1).

SEQ ID No 2 is the amino acid sequence of the translated cDNA clone shown in Figure 1.

SEQ ID No 3 is a nucleotide sequence encoding the PG enzyme which is deposited as pTOM23 with NCIMB (Accession Number 12373).

SEQ ID No 4 is a cDNA sequence from a tomato species (Lycopersicon esculentum) and is shown below.

SEQ ID No 4

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TCTCTCTCTTCATCTCTGTTTCACACCAAAGAAATGCACACTAAAATTCATCTTCCTCCC 60
TGCATCTTACTTCTTCTTCTGTTCTCACTACCATCTTTCAATGTTGTTGTAGGTGGAGAT 120
GGTGAATCTGGTAACCCATTTACACCCAAAGGTTATCTGATTAGGTACTGGAAGAAACAA 180
ATCTCAAATGACTTACCAAAGCCATGGTTTCTTCTGAACAAGGCATCTCCATTGAATGCT 240
GCACAATATGCAACTTACACTAAACTTGTTGCTGATCAAAATGCACTCACCACACAGCTC 300
CATACCTTTTGCTCTTCAGCAAATCTCATGTGTGCACCAGATCTGTCACCAAGTCTTGAA 360
AAACACAGTGGAGATATCCATTTTGCCACTTACAGTGACAAAAACTTTACCAATTATGGA 420
ACCAATGAACCTGGAATTGGAGTTAACACTTTCAAGAACTACTCTGAAGGAGAAAACATC 480
CCTGTAAATTCTTTCAGGCGATATGGTAGAGGTTCTCCCCGTGACAATAAATTTGACAAT 540
TACGCCTCTGATGGCAATGTTATTGACCAAAGTTTCAATTCCTATAGCACAAGTACTGCT 600
GGAGGTTCAGGCAAATTCACAAATTACGCGGCGAATGCCAATGACCCCAATCTGCATTTC 660
ACTTCCTATTCCGATCAAGGAACAGGAGGTGTACAGAAATTCACAATATACTCACAAGAA 720
GCCAATGCTGGTGACCAGTATTTCAAAAGTTACGGCAAAAATGGGAATGGTGCTAATGGT 780
GAATTCGTCAGCTATGGAAATGACACAAATGTTATCGGCTCAACATTTACAAATTATGGT 840
CAGACAGCAAATGGGGGAGACCAAAAATTCACATCTTATGGTTTCAACGGCAATGTTCCT 900
GAAAATCATTTCACCAACTATGGTGCTGGAGGTAATGGTCCATCTGAAACTTTTAATAGT 960
TACAGAGATCAATCGAATGTTGGAGATGACACATTCACTACCTATGTTAAGGATGCAAAT 1020
GGCGGTGAAGCGAATTTCACCAACTATGGTCAATCATTCAATGAAGGTACTGATGTATTC 1080
ACTACTTACGGCAAAGGGGGTAATGACCCACATATCAATTTCAAAACTTACGGAGTTAAC 1140
AACACTTTCAAAGATTATGTCAAAGATACTGCTACATTTTCCAATTACCACAACAAAACT 1200
TCCCAAGTTTTAGCATCGTTGATGGAGGTCAACGGTGGTAAAAAGGTGAATAACCGGTGG 1260
GTTGAGCCCGGAAAGTTTTTCCGGGAGAAGATGTTGAAGAGTGGTACAATCATGCCTATG 1320
CCAGATATAAAGGATAAGATGCCTAAAAGGTCCTTTTTGCCCCGGGTGATTGCTTCCAAA 1380
TTACCATTTTCTACTTCAAAAATTGCTGAGCTGAAGAAAATCTTCCACGCCGGTGATGAG 1440
TCTCAGGTGGAGAAGATGATCGGCGATGCATTGAGTGAGTGTGAAAGAGCACCGAGCGCC 1500
GGTGAGACGAAACGATGTGTTAATTCAGCTGAAGATATGATTGATTTCGCAACATCAGTG 1560
TTGGGTCGAAACGTCGTCGTTCGAACGACTGAGGATACAAAAGGATCAAATGGGAATATC 1620
ATGATTGGATCAGTCAAAGGAATCAACGGTGGAAAAGTTACTAAATCAGTATCATGTCAT 1680
CAAACGCTGTACCCTTACTTACTGTATTACTGTCATTCGGTTCCTAAAGTCCGGGTCTAC 1740
GAAGCGGATATTTTGGACCCGAATTCAAAGGTTAAGATCAATCATGGTGTCGCGATTTGC 1800
CACGTGGATACATCTTCATGGGGACCGAGTCACGGAGCGTTTGTCGCACTCGGGTCGGGA 1860
CCCGGGAAAATAGAAGTTTGTCATTGGATCTTTGAGAATGATATGACTTGGGCAATTGCT 1920
GATTGAGAAAAAAAAAAAGAAATGAAATAATATGCAAAATTTCTAATTCGGGTCGAACCGG 1980
GTGTGTTACAAGAAGAAGAAAAAAGGTACCACTGGTTTGACTTTTATAGTAATTATTATT 2040
ATTATAGTCTTAATTTATATTTTGAGTAATTTTCGTGTAAGTTTCTCTTTGCCTTCATTA 2100
AGTATGAATGGCTATCAATTTACACTATTTGTTATGTAATCATTTTATTGTTGACTCATA 2160
TTTGAGCAAGGTAATGTAGTTATTGCCAGATG2192
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